

ROBERT E. BUSHNELL*

JÖSEPH G. SEEBER°
JOHN C. BROSKY°+*
DARREN R. CREW+*
MATTHEW J. LESTINA†*
SARYADVINDER S. SAHOTA†*
RICHARD H. STERN°

MICHAEL D. PARKER
DANIEL A. GESELOWITZ, Ph.D.
(REG. PATENT AGENTS)

R. E. BUSHNELL

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300
WASHINGTON, D.C. 20005-1202
UNITED STATES OF AMERICA

INTELLECTUAL PROPERTY LAW

TELEPHONE (202) 408-9040
FACSIMILE (202) 289-7100
FACSIMILE (202) 628-3835
FACSIMILE (410) 747-0022
E-MAIL: REBUSHNELL@AOL.COM

30 July 2001

- ☐ U.S. Postal Service
☐ Via Local Courier
☐ Via International Courier
☐ Via Facsimile No. _____
☐ Via E-Mail Attachment
☐ Please Acknowledge Receipt

† ADMITTED IN MARYLAND
° ADMITTED IN VIRGINIA
+ ADMITTED IN PENNSYLVANIA
† ADMITTED IN NEW YORK
† ADMITTED IN CONNECTICUT
° ADMITTED IN D.C.

07/30/01



Assistant Commissioner for Patents
Washington, D.C. 20231

Attorney Docket: P56409

11002 U.S. PRO
09/916317
07/30/01

Sir:

Submitted herewith is the following patent application:

Inventor(s): 1) BYUNG-SUN MIN

Title: LOW POWER CONSUMPTION COMPUTER PERIPHERAL DEVICE
AND METHOD FOR REDUCING POWER CONSUMPTION

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the foreign priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 3 sheets, Figures 1A through 2

Claim of priority under 35 U.S.C. §119: **YES**

** The Republic Of Korea Application No. 2001/1347 filed on 10 January 2001.

FEE (see formula below): CHECKS ARE ENCLOSED CK#40007 (\$710.00) & #40008 (\$40.00)

Basic Fee \$355/710 \$710.00

Additional Fees:

Total number of claims in excess of 20: 0 times \$9/18 . \$0.00

Number of independent claims in excess of 3: 0 times \$40/80 \$0.00

Multiple Dependent Claims \$135/270 \$0.00

✓ An Assignment is likewise enclosed: Recording Fee \$40 . . \$40.00

Filing Non-English specification \$0.00

TOTAL FEES FOR THE ABOVE APPLICATION \$750.00

Assistant Commissioner for Patents
30 July 2001
Page Two

Docket No.: P56409

Inventor(s): 1) BYUNG-SUN MIN

Title: LOW POWER CONSUMPTION COMPUTER PERIPHERAL DEVICE
AND METHOD FOR REDUCING POWER CONSUMPTION

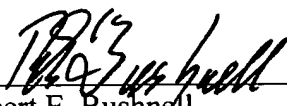
Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any **additional charges** necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1202

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005-1202

Telephone: (202) 408-9040
Telefacsimile: (202) 289-7100

Folio: P56409
Date: 30 July 2001
ID: REB/sys

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="margin:0;">FEE TRANSMITTAL</h1> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p> <div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 10px;">07/30/01</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-left: 10px;">U.S. PTO</div> </div>		Complete If Known																																																																																																																																																																																											
		Application Number	<i>to be assigned</i>																																																																																																																																																																																										
		Filing Date	30 July 2001																																																																																																																																																																																										
		First Named Inventor	BYUNG-SUN MIN																																																																																																																																																																																										
		Examiner Name	<i>to be assigned</i>																																																																																																																																																																																										
TOTAL AMOUNT OF PAYMENT		Attorney Docket No.																																																																																																																																																																																											
(\$) 750.00		P56409																																																																																																																																																																																											
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																											
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:		3. ADDITIONAL FEES																																																																																																																																																																																											
Deposit Account Number: 02-4943 Deposit Account Number: _____		<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge-late filing fee or oath</td> <td>\$</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td>\$</td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td>\$</td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520</td> <td>For filing a request for reexamination</td> <td>\$</td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td>\$</td> </tr> <tr> <td>113</td> <td>1,840 *</td> <td>113</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td>\$</td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> <td>\$</td> </tr> <tr> <td>116</td> <td>390</td> <td>216</td> <td>195</td> <td>Extension for reply within second month</td> <td>\$</td> </tr> <tr> <td>117</td> <td>890</td> <td>217</td> <td>445</td> <td>Extension for reply within third month</td> <td>\$</td> </tr> <tr> <td>118</td> <td>1,390</td> <td>218</td> <td>695</td> <td>Extension for reply within fourth month</td> <td>\$</td> </tr> <tr> <td>128</td> <td>1,890</td> <td>228</td> <td>945</td> <td>Extension for reply within fifth month</td> <td>\$</td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> <td>\$</td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> <td>\$</td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> <td>\$</td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td>\$</td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td>\$</td> </tr> <tr> <td>141</td> <td>1,240</td> <td>241</td> <td>620</td> <td>Petition to revive - unintentional</td> <td>\$</td> </tr> <tr> <td>142</td> <td>1,240</td> <td>242</td> <td>620</td> <td>Utility issue fee (or reissue)</td> <td>\$</td> </tr> <tr> <td>143</td> <td>440</td> <td>243</td> <td>220</td> <td>Design issue fee</td> <td>\$</td> </tr> <tr> <td>144</td> <td>600</td> <td>244</td> <td>300</td> <td>Plant issue fee</td> <td>\$</td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td>\$</td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td>\$</td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td>Submission of Information Disclosure Statement</td> <td>\$</td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (Times number of properties)</td> <td>\$ 40.00</td> </tr> <tr> <td>146</td> <td>710</td> <td>246</td> <td>355</td> <td>Filing a submission after final rejection (37 C.F.R. §1.129(a))</td> <td>\$</td> </tr> <tr> <td>149</td> <td>710</td> <td>249</td> <td>355</td> <td>For each additional invention to be examined (37 C.F.R. §1.129(b))</td> <td>\$</td> </tr> <tr> <td colspan="4">Other Fee (specify) _____</td> <td>\$</td> </tr> <tr> <td colspan="4">Other Fee (specify) _____</td> <td>\$</td> </tr> <tr> <td colspan="4"> ** Reduced by Basic Filing Fee Paid </td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (3)</td> <td>\$ 40.00</td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge-late filing fee or oath	\$	127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$	139	130	139	130	Non-English specification	\$	147	2,520	147	2,520	For filing a request for reexamination	\$	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$	113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$	115	110	215	55	Extension for reply within first month	\$	116	390	216	195	Extension for reply within second month	\$	117	890	217	445	Extension for reply within third month	\$	118	1,390	218	695	Extension for reply within fourth month	\$	128	1,890	228	945	Extension for reply within fifth month	\$	119	310	219	155	Notice of Appeal	\$	120	310	220	155	Filing a brief in support of an appeal	\$	121	270	221	135	Request for oral hearing	\$	138	1,510	138	1,510	Petition to institute a public use proceeding	\$	140	110	240	55	Petition to revive - unavoidable	\$	141	1,240	241	620	Petition to revive - unintentional	\$	142	1,240	242	620	Utility issue fee (or reissue)	\$	143	440	243	220	Design issue fee	\$	144	600	244	300	Plant issue fee	\$	122	130	122	130	Petitions to the Commissioner	\$	123	50	123	50	Petitions related to provisional applications	\$	126	240	126	240	Submission of Information Disclosure Statement	\$	581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$ 40.00	146	710	246	355	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$	149	710	249	355	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$	Other Fee (specify) _____				\$	Other Fee (specify) _____				\$	** Reduced by Basic Filing Fee Paid					SUBTOTAL (3)				\$ 40.00
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
105	130	205	65	Surcharge-late filing fee or oath	\$																																																																																																																																																																																								
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$																																																																																																																																																																																								
139	130	139	130	Non-English specification	\$																																																																																																																																																																																								
147	2,520	147	2,520	For filing a request for reexamination	\$																																																																																																																																																																																								
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$																																																																																																																																																																																								
113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$																																																																																																																																																																																								
115	110	215	55	Extension for reply within first month	\$																																																																																																																																																																																								
116	390	216	195	Extension for reply within second month	\$																																																																																																																																																																																								
117	890	217	445	Extension for reply within third month	\$																																																																																																																																																																																								
118	1,390	218	695	Extension for reply within fourth month	\$																																																																																																																																																																																								
128	1,890	228	945	Extension for reply within fifth month	\$																																																																																																																																																																																								
119	310	219	155	Notice of Appeal	\$																																																																																																																																																																																								
120	310	220	155	Filing a brief in support of an appeal	\$																																																																																																																																																																																								
121	270	221	135	Request for oral hearing	\$																																																																																																																																																																																								
138	1,510	138	1,510	Petition to institute a public use proceeding	\$																																																																																																																																																																																								
140	110	240	55	Petition to revive - unavoidable	\$																																																																																																																																																																																								
141	1,240	241	620	Petition to revive - unintentional	\$																																																																																																																																																																																								
142	1,240	242	620	Utility issue fee (or reissue)	\$																																																																																																																																																																																								
143	440	243	220	Design issue fee	\$																																																																																																																																																																																								
144	600	244	300	Plant issue fee	\$																																																																																																																																																																																								
122	130	122	130	Petitions to the Commissioner	\$																																																																																																																																																																																								
123	50	123	50	Petitions related to provisional applications	\$																																																																																																																																																																																								
126	240	126	240	Submission of Information Disclosure Statement	\$																																																																																																																																																																																								
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$ 40.00																																																																																																																																																																																								
146	710	246	355	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$																																																																																																																																																																																								
149	710	249	355	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$																																																																																																																																																																																								
Other Fee (specify) _____				\$																																																																																																																																																																																									
Other Fee (specify) _____				\$																																																																																																																																																																																									
** Reduced by Basic Filing Fee Paid																																																																																																																																																																																													
SUBTOTAL (3)				\$ 40.00																																																																																																																																																																																									
2. <input checked="" type="checkbox"/> Payment Enclosed: (CHECK #40007 & #40008) <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																													
FEE CALCULATION																																																																																																																																																																																													
BASIC FILING FEE <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td>Utility filing fee</td> <td>\$ 710.00</td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td>Design filing fee</td> <td>\$</td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> <td>\$</td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> <td>\$</td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td>\$</td> </tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td>(\$)</td> <td>710.00</td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	710	201	355	Utility filing fee	\$ 710.00	106	320	206	160	Design filing fee	\$	107	490	207	245	Plant filing fee	\$	108	710	208	355	Reissue filing fee	\$	114	150	214	75	Provisional filing fee	\$	SUBTOTAL (1)				(\$)	710.00																																																																																																																																														
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
101	710	201	355	Utility filing fee	\$ 710.00																																																																																																																																																																																								
106	320	206	160	Design filing fee	\$																																																																																																																																																																																								
107	490	207	245	Plant filing fee	\$																																																																																																																																																																																								
108	710	208	355	Reissue filing fee	\$																																																																																																																																																																																								
114	150	214	75	Provisional filing fee	\$																																																																																																																																																																																								
SUBTOTAL (1)				(\$)	710.00																																																																																																																																																																																								
EXTRA CLAIM FEES <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th></th> <th>Total claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td></td> <td>15</td> <td>-20** = 0</td> <td>x 18</td> <td>= 0</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>-3** = 0</td> <td>x 80</td> <td>= 0</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td>=</td> </tr> </tbody> </table> <p>** or number previously paid, if greater; For Reissues, see below</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> <td></td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>40</td> <td>Independent claims in excess of 3</td> <td></td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple dependent claim, if not paid</td> <td></td> </tr> <tr> <td>109</td> <td>80</td> <td>209</td> <td>40</td> <td>** Reissue independent claims over original patent</td> <td></td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td> </tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td>(\$)</td> <td>0.00</td> </tr> </tbody> </table>			Total claims	Extra Claims	Fee from below	Fee Paid		15	-20** = 0	x 18	= 0	Independent Claims	2	-3** = 0	x 80	= 0	Multiple Dependent				=	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)				(\$)	0.00																																																																																																																										
	Total claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																									
	15	-20** = 0	x 18	= 0																																																																																																																																																																																									
Independent Claims	2	-3** = 0	x 80	= 0																																																																																																																																																																																									
Multiple Dependent				=																																																																																																																																																																																									
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																										
103	18	203	9	Claims in excess of 20																																																																																																																																																																																									
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																									
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																									
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																																									
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																									
SUBTOTAL (2)				(\$)	0.00																																																																																																																																																																																								

REB/sys

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038 .